

5 WHAT IS CLAIMED IS:

1. A composition comprising a lithographic ink or varnish and catalytic proportions of one or more inorganic salts of peracids.
2. The composition of claim 1, wherein the lithographic ink or varnish comprises
10 from about 10 to about 25,000 parts per million by weight of one or more inorganic salts of peracids.
3. A composition comprising a lithographic ink fountain solution comprising from
15 10 to 25,000 parts per million by weight of one or more inorganic salts of peracids.
4. The composition of claim 3 wherein the lithographic ink fountain solution concentrate comprises from about 50 to about to 250,000 parts per million by weight of one or more inorganic salts of peracids.
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5. A composition comprising, a single fluid lithographic ink or varnish and comprising from about 10 to about 25,000 parts per million by weight of one or more inorganic salts of peracids.
- 25 6. A method of printing comprising using an ink comprising the composition of claim 1.
7. The method of claim 6, wherein the printing comprises applying the ink to a press.
- 30 8. The method of claim 6, wherein the printing is lithographic printing.
9. The method of claim 6, wherein the printing comprises printing on paper.
10. A method of printing comprising using an ink vehicle comprising the composition
35 of claim 1.

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11. The method of claim 10, wherein the ink vehicle is mixed with a fountain solution.

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12. The method of claim 10, wherein the fountain solution further comprises an organic (hydro)peroxide or an inorganic salt of a peracid.

13. The composition of claim 1, further comprising one or more additional ink vehicle components.

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14. The composition of claim 13, wherein the additional ink vehicle components are solids, alkyds, polyesters or polyamides.

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15. The composition of claim 1, wherein the inorganic salt of a peracid is,
sodium peroxy diphosphate,
sodium perborate,
sodium persulfate,
sodium peroxy disulfate,
calcium peroxy stannate,
aluminum percarbonate,
potassium perhenate,
potassium peroxy molybdate,
magnesium peroxy tungstate, or
sodium peroxy osmate.

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16. The composition of claim 1, further comprising pigment.

17. The composition of claim 1, further comprising water.

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18. A composition made by the process of combining a lithographic ink or varnish and catalytic proportions of an inorganic salt of a peracid.

- 5 19. A composition made by the process of combining a composition comprising a lithographic ink or varnish and catalytic proportions of an inorganic salt of a peracid, with water.
- 10 20. A method of printing on a surface comprising combining a composition of claim 1 with water immediately prior to application of the resulting composition to the surface, and applying the resulting composition to the surface.
- 15 21. A method of sealing two surfaces together comprising combining a composition of claim 1 with water immediately prior to application of the resulting composition to at least one surface to be bonded, followed by contacting said coating with the other surface to which bonding is desired.
- 20 22. The method of claim 21 comprising combining a composition of claim 1 with water immediately prior to application of the resulting composition to the surface, applying the resulting composition to the two surfaces, and contacting the two surfaces together.
- 25 23. A method of making a composition comprising combining a lithographic ink or varnish and catalytic proportions of an inorganic salt of a peracid.
24. The method of claim 23 further comprising combining water.
- 30 25. A method of printing comprising combining a composition of claim 1 with water.
26. The method of claim 25, further comprising applying the resulting composition from the combining of a composition of claim 1 with water to a printing press.
- 35 27. The method of claim 26, wherein the combining of a composition of claim 1 with water occurs immediately prior to applying the resulting composition from the combining of a composition of claim 1 with water to a printing press.